

Department of Economics
The Ohio State University
Econ 8817–Game Theory

Fall 2014
Prof. James Peck

Homework #2–Due Thursday October 9

Directions: Answer all questions, and be neat. If you discuss the questions in study groups, list the members of your study group, and make sure that the writeup is your own work.

1. O-R, exercise 56.4. Hint: By the symmetry of the game, the set of rationalizable pure actions is the same for both players. Call it Z . Consider $m \equiv \inf(Z)$ and $M \equiv \sup(Z)$, and go from there.

2. O-R, exercise 76.1. Use the characterization of common knowledge in terms of the meet of the information partitions, as in class and Aumann’s “Agreeing to Disagree.”

3. O-R, exercise 146.1.